

The GRASSELLI CHEMICAL Co.

ESTABLISHED 1839

Dyestuff Department

NEW YORK

COLORS ON SILK







Handwritten notes in the top right corner: "Aniline Sample" and "#75".

“GRASSELLI DYES” & “BAYER DYES”

The Grasselli Chemical Co.

“DYESTUFF DEPARTMENT”

117 Hudson Street

NEW YORK CITY

U. S. A.

BRANCH OFFICES:

Boston, Mass.	-	-	-	-	-	32 India Street
Providence, R. I.	-	-	-	-	-	56 Pine Street
Philadelphia, Pa.	-	-	-	-	-	908 Chestnut Street
Chicago, Ill.	-	-	-	-	-	146 W. Kinzie Street
Charlotte, N. C.	-	-	-	-	-	Commercial Nat'l Bank Bldg

THE GRASSELLI CHEMICAL CO., LTD., CANADA

Toronto — Montreal — Hamilton



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DIRECTIONS FOR DYEING

ACID COLORS

Nos. 401-435

These are dyed in a gum soap bath, broken with Sulphuric Acid. With the Eosine brand it is advisable to employ Acetic Acid.

The Diamond Fast Purples should be dissolved with a small percentage of Ammonia, which is to be added to the powder and boiling water poured over it.

BASIC COLORS

Nos. 436-446

These colors are generally dyed in a gum soap bath, broken with Acetic or Sulphuric Acid; Sulphuric Acid is used especially when dyeing in combination with Acid colors.

SULPHON AND DIRECT COLORS

Nos. 447-452

These are dyed in the same manner as the Basic Colors—Acetic Acid is, as a rule effective enough to exhaust the bath.

ALIZARINE AND CHROME COLORS

Nos. 453-455

Add the well dissolved color and 10-20% Acetic Acid to the Dye Bath at a temperature of 100-120 degrees Fahr. Bring slowly to boil and boil for one hour. Should the bath not exhaust sufficiently add more Acetic Acid—after this, treat with Bichrome for $\frac{3}{4}$ hour in a fresh bath, boiling gently:—rinse, soap and acidulate.

CHROME MORDANT

No. 456

Dye in a gum soap bath, broken with Acetic Acid. Work for $\frac{1}{4}$ hour at 120° Fahr., warm up to 195° Fahr. in $\frac{3}{4}$ hr., and dye at this temperature for 1 hr. Rinse, soap at the boil and acidulate.

SULPHUR COLORS

Nos. 457-462

Dissolve with the same amount of Sodium Sulphide Crystals with the addition of the same amount Glucose. Add this solution to the Dye Bath at 180-200 degrees Fahr. then add 30-60% Glaubersalt, and finally add, shortly before entering the goods, Bicarbonate of Soda, corresponding to about half the weight of the color. Work for about half an hour, then squeeze out the silk and expose to the air for a short time. Rinse well—soap at the boil and acidulate with Acetic Acid.

DEVELOPED COLORS

No. 463

These are dyed in the same way as Direct Colors,—rinsed well and diazotised cold for 15-20 minutes with—

2½% Nitrite of Soda (Dissolved in water)

7½% Hydrochloric Acid (32 degrees Tw.)

The goods are again rinsed and developed for 15-20 minutes in a cold bath with the developer, Beta Naphtol. In order to dissolve the latter, use $\frac{1}{4}$ the amount of Caustic Soda to the weight of the Beta Naphtol. After developing, rinse and soap if necessary.



ACID COLORS

Raw Material

406

1%
Ponceau 2 R
3%

401
1%
Fast Light Yellow 2 G
3%

407

1%
Azo Cochineal L
4%

402
1%
Tartrazine
3%

408

1%
Azo Crimson L
3%

403
1%
Metanile Yellow
3%

409

1%
Cloth Red H
3%

404
1%
Azo Yellow
3%

410

1%
Cloth Red B C
3%

405
1%
Acid Orange II B
3%

411

1%
Azo Fuchsine G A
3%

ACID COLORS

412

1%
Azo Fuchsine 6 B
3%



418

1%
Wool Green B S A
3%



413

1%
Azo Phloxine G A
3%



419

2%
Acid Dark Green N C
6%



414

1%
Carmoisine B A
3%



420

1%
Soluble Blue 2 B
3%



415

1%
Eosine J
2%



421

1%
Soluble Blue 2 R N
3%



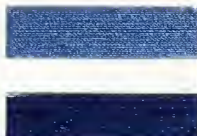
416

1%
Fast Red A
3%



422

2%
Fast Acid Blue F S
6%



417

1%
Acid Bordeaux B
3%








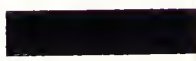






423

1%
Sulphon Acid Blue R
4%





ACID COLORS

424	2% Diamond Acid Cyanine S R 6%		431	2% Diamond Fast Purple B 4%	
425	2% Diamond Acid Cyanine S B 6%		432	1% Diamond Fast Purple B R B 3%	
426	Acid Navy Blue G 6%		433	Naphtylamine Black 10 B 12%	
427	Acid Navy Blue R 6%		434	Naphtylamine Black A 4 B 12%	
428	1% Induline R 4%		435	Azo Brilliant Black A C 12%	
429	1% Induline 2 B 4%				
430	1% Induline 4 B 4%				



BASIC COLORS

436

$\frac{1}{2}\%$
Auramine O
 2%



437

$\frac{1}{2}\%$
Chrysoidine R S
 2%



438

$\frac{1}{2}\%$
Bismarck Brown Y S Ex.
 2%



439

$\frac{1}{2}\%$
Bismarck Brown T S S
 2%



440

$\frac{1}{2}\%$
Safranin Y Y
 1%



441

$\frac{1}{2}\%$
Fuchsin large crystals
 2%



442

$\frac{1}{4}\%$
Methyl Violet 4 B Conc.
 1%



443

$\frac{1}{2}\%$
Malachite Green large
crystals
 2%



444

$\frac{1}{2}\%$
Methylene Blue 2 B Conc.
 2%



445

Nigrosine P
 1%



446

Nigrosine J
 1%



SULPHON AND DIRECT COLORS

447 Sulphon Cyanine 5 R
extra
4%



448 Brilliant Geranine B
2%



449 Milling Red C O
4%



450 Direct Orange R
4%



451 Chrysophenine G Conc.
2%



452 Direct Sky Blue F F
2%



ALIZARINE AND CHROME COLORS

453 Alizarine Yellow G G
4%



454 Alizarine Yellow R
2%



455 Acid Anthracene Brown B
4%



CHROME MORDANT

456 Diamond Black EA
12%



SULPHUR COLORS

457	Sulphur Blue 3 B 10%	
458	Brilliant Sulphur Blue B G Conc. 5% 10%	 
459	Sulphur Gray Conc. 2%	
460	Sulphur Yellow Brown 2 G 12%	
461	Sulphur Olive G 12%	
462	Sulphur Blue Black R S 20%	

DEVELOPED COLORS

463	5% Primuline Developed with 2% Beta Naphtol	
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CONE 24.0
SERIAL 7041

